

Christie® Matrix StIM WQ and SIM WQ

Technical specifications		Christie Matrix StIM-WQ – (2560 x 1600) WQXGA, solid state illumination, dual input, RGB and IR Part number: 130-002103-01	Christie Matrix SIM-WQ – (2560 x 1600) WQXGA, solid state illumination, single input, RGB Part number: 130-003104-01
Image	luminous flux	• 800 ANSI lumens	
	contrast	• 10,000:1 dynamic contrast (under LED control) • No mechanical iris required	
	uniformity	• 95% brightness and color uniformity after electronic adjustment	
Display technology	type	• Revolutionary solid state projector using a single TI Darkchip 3™ DMD with a solid state illumination engine (no color wheel) and sealed optics	
	native resolution	• 2560 x 1600 WQXGA	
	output frame rate	• 60Hz or 120Hz	• 60Hz
Input	signal format	• 2560 x 1600 WQXGA (VESA RB)	
	input frame rate	• 60Hz with single input or 2 x 60Hz with dual input	• 60Hz with single input
Inputs/ outputs, control and networking	inputs	• On-board Ethernet control capabilities	
		• Additional Ethernet connections for Christie ArrayLOC™ network	
		• IR/wired remote control as part of optional user kit • 2 x RS-232 ports and 1 x RS-422 port	
Optical system	lens mount	• Mechanical, horizontal and vertical lens shift • No shutter required	
		• No iris required – user programmable illumination parameters (eliminates the need for a mechanical shutter)	
	illumination	• Solid state illumination • Illumination lifetime greater than 50,000 hrs (to 50% output)	
Lenses	fixed	• Full spectrum InfraRGB™	
		• RGB	
	ArrayLOC™	• Manages the brightness and color levels of all projectors within an array to a common level, in real-time with no additional latency	
Accessories	fixed	• 0.68:1 fixed, optimized for IR and visible light • 0.80:1 fixed, optimized for IR and visible light	
	zoom	• 1.28-1.71:1 zoom, optimized for IR and visible light	
	offsets	• 0.68:1 lens features ±5% (horizontal) and ±5% (vertical) offset when mounted in landscape orientation¹ • 0.80:1 lens features ±75% (horizontal) and ±100% (vertical) offset when mounted in landscape orientation¹ • 1.28-1.71:1 lens features ±75% (horizontal) and ±100% (vertical) offset when mounted in landscape orientation¹	
Enhanced feature sets	standard	• Line cord	
		• User kit (includes manual, IR remote) • Rugged Motion Platform kit² to withstand 5g shock load (purpose-built)	
	optional	• Ruggedized transit case • Remote IR sensor • Christie AutoCal™³ • Christie MotoBlend™ optical blending³	
Power requirements	operating voltage	• Minimum Processing Latency (MPL™) • Auto power up • Menus in 5 languages • Christie AccuFrame™ smear reduction technology, fully adjustable in 1% increments to min hold time of <6ms • Christie ArrayLOC – automatic, continuous management of brightness and color space levels of all projectors in the array to a common level, in real-time	
		• Christie InfraScene™ – simultaneous, independent display of both visible light and infrared projection	
	operating current	• Dual-channel compositing modes including InfraScene and 120Hz RGB interleaved modes	
Dimensions	dissipation	• 100-240 VAC 50/60Hz	
	size	• 10A max (lower in normal operational modes)	
	weight	• 2316 BTU/hr max (lower in normal operational modes)	
Operating environment	shipping weight	• 400 x 400 x 406mm (without lens)	
	size	• 40kg (without lens)	
	weight	• 80kg (without lens)	
Regulatory approvals/markings	shipping weight	• Temperature: 40-95°F (5-40°C) • Humidity: 20-80% non condensing	
	size	• Portrait and landscape	
	weight	• Directives (EC) 2002/95/EC (RoHS) • 2002/96/EC (WEEE) • Regulation (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024 / CISPR24 ; ICEES003 / NMB003 (A)	
Limited warranty	shipping weight	• Certifications marks and product approvals (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoSt-R (Russia), KC (Korea), PSE (Japan), C-Tick (Australia & New Zealand); South Africa; Mexico	
	size	• Standard warranty: Two years parts and labor • Extended warranty options available	
	weight	• Contact an authorized Christie representative for full details of our limited warranty	

¹Each offset is specified with the other at zero. Simultaneous horizontal and vertical offsets may limit the adjustment range of each.

²StIM WQ and SIM WQ are both available with a Ruggedized Motion Platform kit. These are purpose built to interface with customers' motion platform structures and available on a build-to-order basis. For details, please contact your Christie sales representative.

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